

# Recombinant Mouse APRIL/TNFSF13 Protein (Fc Tag)

Catalog Number:PKSM041367



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

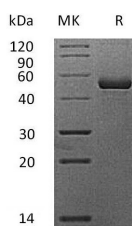
## Description

<b>Synonyms</b>	A proliferation-inducing ligand;TNFSF13;TALL-2;TRDL-1;CD256
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ala96-Leu240
<b>Accession</b>	AAG22534.1
<b>Calculated Molecular Weight</b>	42.7 kDa
<b>Observed molecular weight</b>	50-60 kDa
<b>Tag</b>	N-Fc

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 8% Sucrose, 0.05% Tween 80, pH 6.0. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Tumor necrosis factor ligand superfamily member 13 belongs to the tumor necrosis factor family. It is also known as APRIL, TALL2, TRDL1, and CD256. It is synthesized as a 32 kDa proprotein which is cleaved by furin in the Golgi to release the active 17 kDa soluble molecule. TNFSF13 is a Cytokine that binds to TNFRSF13B/TACI and to TNFRSF17/BCMA and plays a role in the regulation of tumor cell growth. It expressed at high levels in transformed cell lines, cancers of colon, thyroid, lymphoid tissues and specifically expressed in monocytes and macrophages. Its expression by CD4+ T cells inhibits the production of Th2 cytokines and allergic inflammation.

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